Led Dynamic DMX Tri Curtain Manual

Welcome to use the LED dynamic DMX Tri curtain , please read following Safety Notes as well as those in User Manual carefully before connection, installing, operation or maintaining this product.

. Safety Notes

1. After receiving the new curtain, please open the packing carton to check the goods and all other accessories whether they are consistent with packing list and in good condition, in case finding something damaged by transportation, please contact the reseller or distributor to repair or change.
2. Curtain is for indoor use only!
3. Curtain should be far from rain, moisture, water and any other liquid.
4. Curtain should be far from flammability, explode and heating.
5. Curtain should be far from shock,vibration,impact and dust.
6. Curtain must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
7. The connection, installation, operation and maintenance of curtain should be processed by qualified person.
8. Make sure no ventilation slots are blocked.
9. Prohibit trample and tear the curtain, keep the internal cable connection in order.
10. Electrical connection must be carried out by qualified person.
11. Make sure the voltage and frequency of power supply match the power require of this device.
12. Always connect this product to a grounded circuit to avoid the risk of electrocution.
13. Do not connect curtain to a dimmer.
14. Make sure the power cord is not crimped or damaged.
15. Never pull out the plug from power cord by pulling or tugging on the cord.
16. Never operate this product with the covers removed.
17. Always disconnect this product from the power supply before cleaning or attempting any maintenance work.
18. Never carry this product from any moving part, always use the hanging/mounting bracket or the handles.
19. The maximum ambient temperature is 40℃, Do not operate this product at higher temperatures.
20. In case of a serious operation problem, stop using this product immediately and contact reseller or distributor.
21.

Warning:

Any damages caused by the non-observance of this manual or any unauthorized modification to this product are not be subject to warranty.

Important:

This product is supplied with an open power cable without a plug, so before connecting this product to the mains with a power cable, make sure the right color cable connected to the right place. The following table is for your reference.

International	EU Cable	UK Cable	US Cable	Pin
L	Brown	Red	Yellow/Copper	Fase
N	Blue	Black	Silver	Nul
	Yellow/Green	Green	Green	Earth

Note: Make sure this product connected to the earth properly.

. Advantages

1. SMD LEDs 3-in-1 full color mixing.
2. Pure color and longer life.
3. Soft, smooth and flexible, can be folded.
4. Fire retardant velvet, against fire.
5. Small volume and light weight.
6. Easy connection and combination.
7. Easy installation and transportation.

. Technology Parameters

1. Product Description

All curtains are made of high brightness SMD LEDs 3 in 1/RGB, and fire retardant velvet cloth. 30 exciting patterns, and support for 8 channels of DMX, the curtain also comes equipped with a sound activation mode, and the ability to choose and run your favorite program with a simple press of a button without a DMX-512 console.

2 layers of smooth velvet sewn with wool. Many grommets fitted on our industrial machines around the cloths. Fitted with a standard UK/USA/EUROPE main plug, just plug it into a plug socket on the controller, turn on the power supply ,and then choose and run your favorite program.

2. Product Specification

Voltage: Input Voltage: AC90V-240V, 50/60Hz, 25W/150W, 3A/2A
Output Voltage: DC 5V/5A, DC5V/30A
Fuse: 2A
Power consumption: 30W~150W
Lamp: SMD LEDs 3 in 1 / RGB
Life: 50,000 hours
LED Pitch: 180mm
Number of LEDs: 30pcs LEDs per square
DMX channel: 8 CH.
LCD display in the controller
Control system: Controller with SD Card / DMX Controller / Sound Active / Auto run/M-S
Number of program: 30 programs
Led color: 3 in 1 / RGB , mixing 7 colors
Cloth color: Black, White (Can be custom made)
Certification: CE & SGS

3. Packing Include

One curtain
One Controller
One Power Cable
One User Manual
Spare LEDs
Reusable Zip Ties
Note: The curtain is connected to the controller directly.

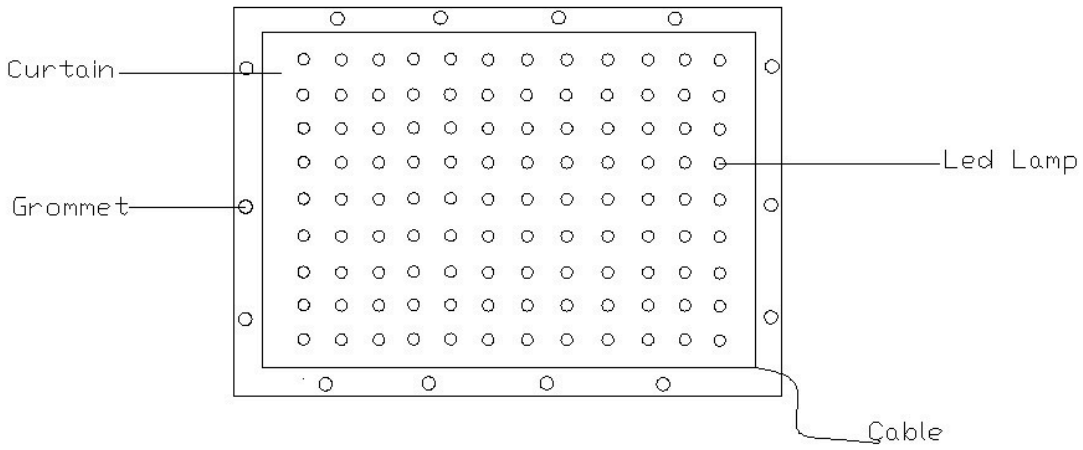
Size	Color	Leds	Weight	Packing Size
H: 1M X W: 2M	RGB 7 Colors	66pcs	3.6kgs	26X14X16cm
H: 2M X W: 3M	RGB 7 Colors	176pcs	7.5kgs	51X23X28cm
H: 2M X W: 4M	RGB 7 Colors	242pcs	8kgs	66X37X24cm
H: 3M X W: 4M	RGB 7 Colors	352pcs	12kgs	50X70X26cm
H: 3M X W: 6M	RGB 7 Colors	512pcs	17kgs	51X76X29cm
H: 4M X W: 6M	RGB 7 Colors	704pcs	20kgs	52X79X39cm

□. Installation

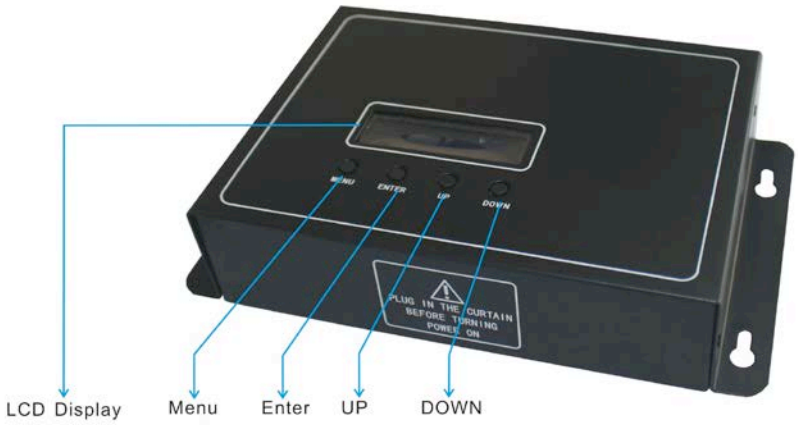
Curtains can be used by single or through combination to make a large led curtain.

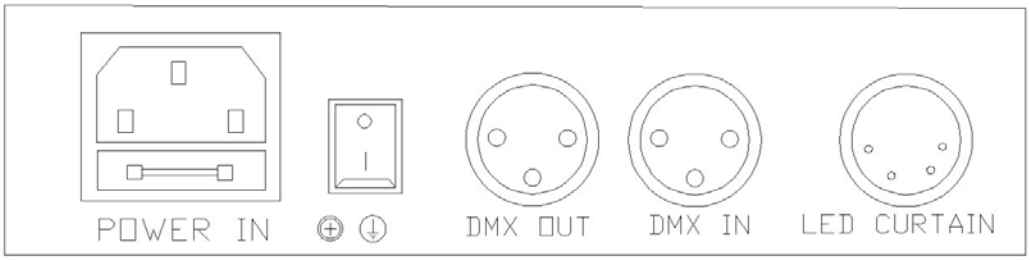
1. Product Overview

(1) LED Vision Curtain



(2) Controller





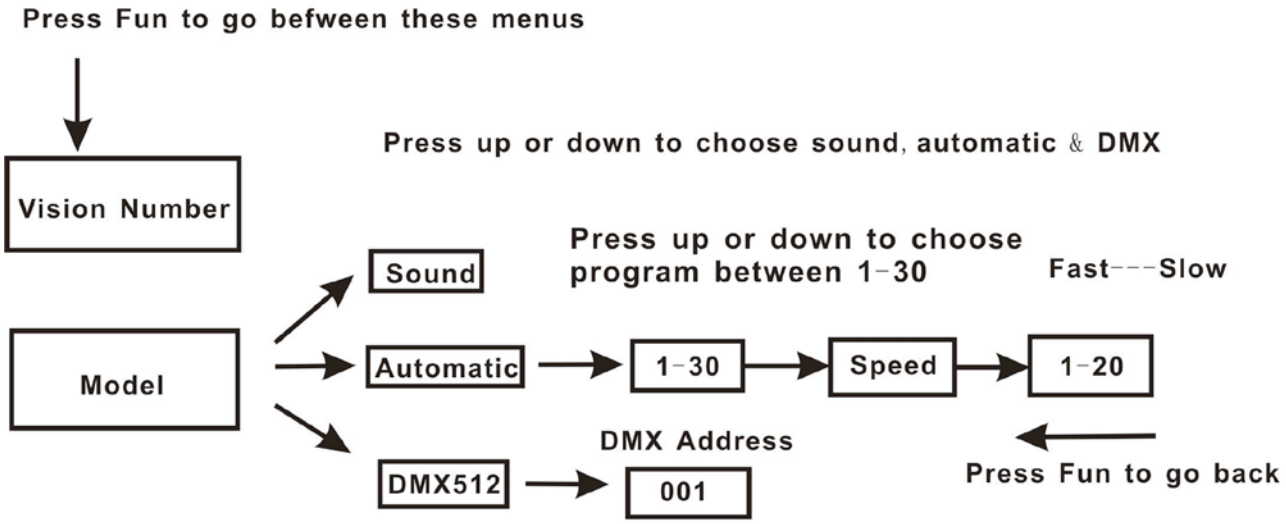
(3) Controller Description

Button	Function
FUN	Menu or Function
ENTER	Display menu or set the selected menu as the function you need
UP	Upwards the menu or increase the number value of the function you selected
DOWN	Downwards the menu or decrease the number value of the function you selected

(4) Menu Options

Menu	Function
PU	Program (01- 30）
SP	Program speed （ 01 - 20 , fast - slow)
Add	DMX Address
A001	DMX Address (001 - 512)
Sound	Sound active

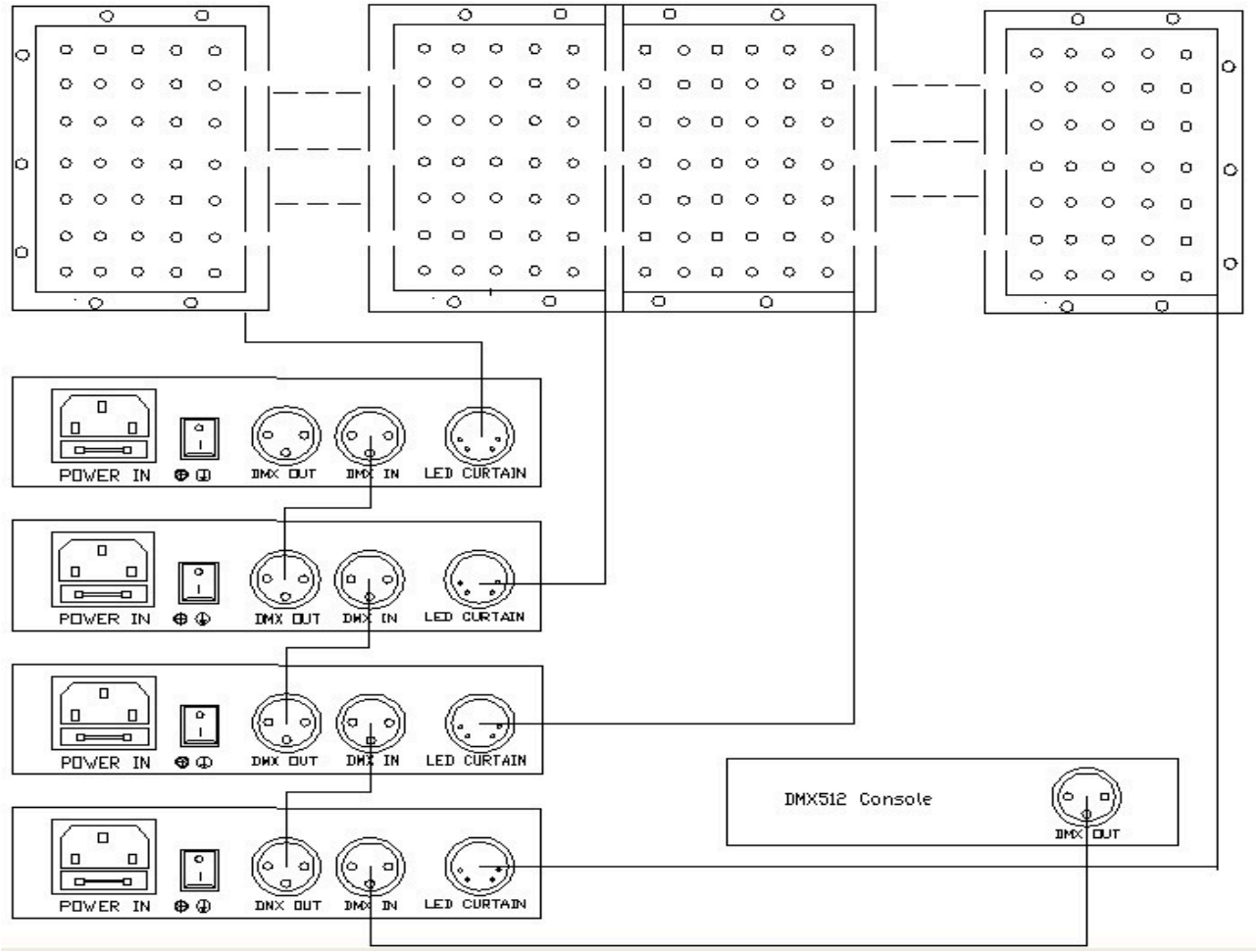
(5) Controller Operation



2. Installation

(1) After receiving the new curtain, take out to check whether the curtain is damaged, and all accessories is as per the Packing Include, make sure all things are already.
(2) Unfold the curtain.
(3) Hang the curtain on the truss with reusable zip ties, and fasten the reusable zip ties at the other three sides of this curtain.
(4) Use male and female velcro at the left and right side of the curtain to make the nearby vision curtain connect together.

Combine several pieces LED Vision Curtain to make a big curtain
There are male and female velcro at the left and right side of the curtain , the function of these velcro is just to combine several pieces into one. But not to load too much.



(1) Signal Cable Connection

There is Signal Cable with 4pin plug at the back of each curtain, Connecting this Signal Cable to the controller, and then lock the nut on the plug. For several pieces curtains, just need to connect the controllers with 3pin DMX Signal Cable.

(2) Power Cable Connection

Get out the Power Cable from the carton, before connecting this cable between controller and power supply, please make sure the voltage is AC90V-240V 50Hz-60Hz.

(3) Disassembly

(1) Take off Power Cable
(2) Take off Signal Cable
(3) Unfasten the velcro between curtains
(4) Release all reusable zip ties
(5) Clean the curtain
(6) Fold the curtain and put it into the carton

□. Program List

1. Program List

Program	Effect	Program	Effect
Program 1	Falling Horizontal Line	Program16	Center Burst
Program 2	Single Arrow (Up - Down)	Program17	Outer Burst
Program 3	Single Arrow (L - R)	Program18	EQ Effect
Program 4	Single Arrow (R - L)	Program19	Rolling Color
Program 5	Color Chase (Down - Up)	Program20	Rolling Color + Strobe
Program 6	Color Chase (Up - Down)	Program21	Inner Zone
Program 7	Color Chase (L - R)	Program22	Outer Zone
Program 8	Color Chase (R - L)	Program23	Single Diamond Spread
Program 9	Color Bar Chase (R - L)	Program24	Single Diamond Squeeze
Program 10	Color Bar Chase (L - R)	Program25	Inward Arrow (L , R)
Program 11	Windmill (Clockwise)	Program26	Crisscross (Up , Down)
Program 12	Fan (Counterclockwise)	Program27	X-Factor
Program 13	Single Color + Strobe	Program28	Double Diamond Squeeze
Program 14	Multi Box Frenzy (Single Color)	Program29	Green X-Factor
Program 15	Multi Box Frenzy (Multi Color)	Program30	Multi Rain

2. DMX Address Setting

DMX Address Setting

(Based on the controller with 16 channels)

No.	Address SET	No.	Address SET
1st	1	4th	49=1+16*3
2nd	17=1+16	5th	65=1+16*4
3rd	33=1+16*2	6th	81=1+16*5

3. DMX Channels

8-CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 007 008 ⇔ 255	No function 0~100%
2	Strobe	000 ⇔ 010 011 ⇔ 255	No function 0~100%
3	Red	000 ⇔ 255	0~100%
4	Green	000 ⇔ 255	0~100%
5	Blue	000 ⇔ 255	0~100%
6	Programs 1-15	000 ⇔ 015 016 ⇔ 031 032 ⇔ 047 048 ⇔ 063 064 ⇔ 079 080 ⇔ 095 096 ⇔ 111 112 ⇔ 127 128 ⇔ 143 144 ⇔ 159 160 ⇔ 175 176 ⇔ 191 192 ⇔ 207 208 ⇔ 223 224 ⇔ 239 240 ⇔ 255	No function Falling Star Diagonal Color Bands Color Pattern Chase Inward Arrow (L-R) Color Stack Multi-Color Freeway Color Wave (L-R) Color Wave (R-L) Color Bar Chase (L-R) Color Bar Chase (R-L) Windmill Fan Whirlpool Falling Snow Multi box Frenzy
7	Programs 16-30	000 ⇔ 015 016 ⇔ 031 032 ⇔ 047 048 ⇔ 063 064 ⇔ 079 080 ⇔ 095 096 ⇔ 111 112 ⇔ 127 128 ⇔ 143 144 ⇔ 159 160 ⇔ 175 176 ⇔ 191 192 ⇔ 207 208 ⇔ 223 224 ⇔ 239 240 ⇔ 255	No Function Center Burst Outer Burst EQ Effect Rolling Color Horizontal Snow Inner Zone Outer Zone Diamond Spread Single Diamond Squeeze Follow The Leader Crisscross X-Factor Double Diamond Squeeze Red X-Factor Multi Rain
8	Speed	000 ⇔ 255	Slow to fast

. Replacement of the LEDs

1. Cut off the power supply
2. Disconnect the power cable and signal cable
3. Open the zip fastener at the side of led curtain
4. Disconnect the wires between the LEDS
5. Take out the LED holder from the cloth
6. Take out PCB board with LEDs
7. Connect the replace PCB board with LEDs (Please note the small marks "+" and "-" on the PCB

8. Insert the lamp holder into the hole made on the cloth

9. Connect the power cable and signal cable, then turn on the power for testing

10. Still without working, please test the wires connection

11. Close the cloth again